

CONTRIBUTIONS  
FROM THE  
CUSHMAN LABORATORY  
FOR  
FORAMINIFERAL RESEARCH

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INDEX TO VOLUMES 16 — 20

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SHARON, MASSACHUSETTS, U. S. A.



# CONTRIBUTIONS FROM THE CUSHMAN LABORATORY FOR FORAMINIFERAL RESEARCH

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## INDEX TO VOLUMES 16—20 INCLUSIVE

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Owing to the demand of those who wish to bind these Contributions, the following Index has been prepared.

All new genera and species appear in bold-faced type, others in italic type. An abbreviated form gives the geologic formation and general locality with each species.

Papers are grouped both by geographic and geologic headings as well as by subjects.

In order to conserve space, the following abbreviated form has been used: Volume number with the part number following in parentheses followed by a colon. After the colon comes the page number, then the plate number in bold-faced type, and the figure number in italics. It is hoped that this will give ready reference to the subject matter of these volumes.

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Dentalina and Nodosaria, American Upper Cretaceous Foraminifera of the Genera, 16(4) : 75.

*Dentalina aculeata* (Paleoc.-Ala.), 16(3) : 59, 10, 16, 17; (Cret.-Texas), 20(1) : 6, 2, 11; *alabamensis* (Paleoc.-Ala.), 20(2) : 35, 5, 18-21; *alternata* (Cret.-Europe, Amer.), 16(4) : 76, 13, 2-6; (Cret.-Texas), 20(1) : 6, 1, 31; (Cret.-Miss.), 20(4) : 86; *angusticostata* (Cret.-Texas), 16(4) : 85, 14, 7, 8; 19(3) : 57, 10, 10; *annulata* (Cret.-Amer.), 16(4) : 86, 14, 27; *basiplanata* (Cret.-Amer.), 16(4) : 82, 14, 1-6; (Cret.-Colombia), 17(4) : 88, 21, 23; (Cret.-Texas), 19(3) : 56, 10, 7; var. *subsetigera* (Cret.-Ark.), 18(3) : 58, 11, 5, 6; *basitorta* (Cret.-Amer.), 16(4) : 80, 13, 21, 22; (Cret.-Colombia), 17(4) : 88, 21, 24; (Cret.-Texas), 20(1) : 6, 1, 25; *catenula* (Cret.-Europe, Amer.), 16(4) : 81, 13, 29-34; (Cret.-Texas), 20(1) : 7, 1, 30; *colei* (Paleoc.-Ala.), 20(2) : 37, 5, 25-28; *communis* (Eoc.-Va.), 20(1) : 21, 4, 7; *confluens* (Cret.-Europe, Amer.), 16(4) : 82, 14, 9-12; (Cret.-Texas), 19(3) : 50; *consobrina* (Cret.-Amer.), 16(4) : 84, 14, 22-26; (Cret.-Colombia), 17(4) : 89, 21, 30, 31; (Cret.-Texas), 19(3) : 57, *crinita* (Cret.-Amer.), 16(4) : 83, 14, 28, 29; (Cret.-Texas), 19(3) : 57, 10, 8; *delicatula* (Paleoc.-Ala.), 16(3) : 56, 10, 22-24; (Cret.-Texas), 16(4) : 85, 15, 1-6; 19(3) : 57, 10, 9; var. *naheolensis* (Paleoc.-Ala.), 18(2) : 30, 5, 14, 15; *eocenica* (Paleoc.-Ala.), 20(2) : 36, 6, 1; *fallax* (Cret.-Europe, Amer.), 16(4) : 79, 13, 18-20; *Folkestoniensis*, var. *cylindroides* (Cret.-Bohemia), 20(4) : 110, 20, 9, 10; *gardnerae* (Paleoc.-Ala.), 16(3) : 57, 10, 10-12; 18(2) : 29, 5, 11, 12; *gracilis* (Cret.-Europe, Amer.), 16(4) : 77, 13, 9-11; (Cret.-Ark.), 18(3) : 57, 11, 4; (Cret.-Texas), 19(3) : 57, 10, 6; 20(1) : 6, 1, 28; (Cret.-

Miss.), 20(4) : 86, 13, 12; *hexacostata* (Eoc.-Va.), 20(1) : 22, 4, 11; *involvens* (Cret.-Texas), 16(4) : 75, 13, 1; *isidroensis* (Olig., Mioc.-Venezuela), 17(1) : 15, 3, 2, 3; *legumen* (Cret.-Europe, Amer.), 16(4) : 77, 13, 7, 8; (Cret.-Texas), 19(3) : 57, 10, 5; (Cret.-Miss.), 20(4) : 86, 13, 14; *lorneiana* (Cret.-Europe, Amer.), 16(4) : 77, 13, 12-14; (Cret.-Colombia), 17(4) : 89, 21, 27, 28; (Cret.-Texas), 20(1) : 6, 1, 24; (Cret.-Miss.), 20(4) : 86, 13, 11; var. *spirans* (Cret.-Tenn.), 16(4) : 78, 13, 15; *megalopolitana* (Cret.-Europe, Amer.), 16(4) : 80, 13, 26-28; (Cret.-Texas), 20(1) : 7, 1, 27; (Cret.-Calif.), 20(3) : 56, 9, 11; *mucronata* (Paleoc.-Ala.), 16(3) : 57, 10, 27; 18(2) : 28, 5, 13; *multicostata* (Cret.-Europe, Amer.), 16(4) : 80, 13, 23-25; *naheolensis* (Paleoc.-Ala.), 20(2) : 35, 5, 17; *pauperata* (Paleoc.-Ala.), 16(3) : 58, 10, 15; 18(2) : 29, 5, 17, 18; *pertinens* (Cret.-Amer.), 16(4) : 84, 14, 18-21; *plummerae* (Paleoc.-Ala.), 16(3) : 57, 10, 7-9, 19; *pseudo-obliquestriata* (Paleoc.-Ala.), 16(3) : 58, 10, 18; 18(2) : 28, 5, 10; *reflexa* (Cret.-Kans.), 16(4) : 79, 13, 16, 17; *Roemeri*, var. *clavuliformis* (Cret.-Bohemia), 20(4) : 110, 20, 7, 8; *solvata* (Cret.-Amer.), 16(4) : 83, 14, 13-17; (Cret.-Texas), 20(1) : 7, 1, 29; *virginiana* (Eoc.-Va.), 20(1) : 22, 4, 8, 9; *wilcoxensis* (Eoc.-Va.), 20(1) : 22, 4, 10; (Paleoc.-Ala.), 20(2) : 36, 5, 22-24; *wimani* (Cret.-Colombia), 17(4) : 89, 21, 25, 26; sp. (Paleoc.-Ala.), 16(3) : 57, 10, 13; 16(3) : 58, 10, 20, 21; (Cret.-Amer.), 16(4) : 86, 15, 7; (Cret.-Colombia), 17(4) : 89, 21, 29; (Paleoc.-Ala.), 18(2) : 30, 5, 16, 20, 23, 24; 18(2) : 30, 5, 19; (Olig.-Wash.), 19(4) : 83, 14, 5, 7; (Olig.-Wash.), 19(4) : 83, 14, 8.

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[Devonian]. Some Foraminifera from the Devonian of Iowa, 19(4) : 73.

*Dictyoconus* from the Eocene of California, A New Species of, 19(4) : 73.

*Dictyoconus parvula* (Eoc.-Calif.), 19(4) : 73, 13, 1.

*Discorbina crassisepta* (Cret.-Bohemia), 20(4) : 110, 19, 13, 14; *inflata* (Cret.-Bohemia), 20(4) : 110, 19, 15, 16; *obligostegia* (Cret.-Bohemia), 20(4) : 110, 19, 17, 19; *regularis* (Cret.-Bohemia), 20(4) : 110, 20, 1, 2.

*Discorbis bertheloti* (Plioc.-Alaska), 17(2) : 36, 9, 18, 19; *midwayensis* (Paleoc.-Ala.), 16(3) : 70, 12, 6; var. *soldadoensis* (Paleoc.-Trinidad), 18(1) : 10, 3, 4; var. *trinitatensis* (Paleoc.-Trinidad), 18(1) : 10, 3, 5; (Paleoc.-Ala.), 20(2) : 45, 7, 23; sp. (Paleoc.-Ala.), 18(2) : 38, 7, 4; (Eoc.-Va.), 20(1) : 25.

*Dorothia alabamensis* (Paleoc.-Ala.), 16(3): 53, 9, 7; *alexanderi* (Cret.-Miss.), 20(4): 85, 13, 5; *bulletta* (Cret.-Colombia), 17(4): 85, 21, 12; (Cret.-Texas), 19(3): 53, 9, 10; *filiformis* (Cret.-Colombia), 17(4): 85, 21, 11; *glabrata* (Cret.-Texas), 19(3): 50; *glabrella* (Cret.-Ark.), 18(3): 55, 10, 6; *stephensoni* (Cret.-Texas), 20(1): 4, 1, 15, 16.

*Eggerella cushmani* (Eoc.-Texas), 19(2): 31, 7, 6; *trochoides* (Cret.-Texas), 20(1): 4, 1, 14.

*Ellipsonodosaria alexanderi* (Paleoc.-Ala.), 16(3): 69, 11, 27-29; var. *impensia* (Cret.-Texas), 19(3): 67, 11, 29; *granti* (Paleoc.-Ala.), 16(3): 69, 12, 3; (Cret.-Texas), 19(3): 67, 11, 30; *horridens* (Cret.-Colombia), 17(4): 96, 23, 2-6; *plummerae* (Paleoc.-Ala.), 16(3): 69, 12, 4, 5; *stephensoni* (Cret.-Texas), 19(3): 67, 11, 28; (Cret.-Miss.), 20(4): 94, 13, 31, 32; var. *speciosa* (Cret.-Colombia), 17(4): 96, 23, 7, 8; *subspinoso* (Mio.-St. Croix), 19(4): 92, 16, 6, 7; sp. (Paleoc.-Ala.), 16(3): 70, 12, 1, 2; (Paleoc.-Trinidad), 18(1): 10, 2, 13.

*Elphidiella hanna*i (Plioc.-Alaska), 17(2): 35, 9, 5, 6; *nitida* (Plioc.-Alaska), 17(2): 35, 9, 3; *oregonense* (Plioc.-Alaska), 17(2): 34, 9, 7-9.

*Elphidium bartletti* (Plioc.-Alaska), 17(2): 34, 9, 2, 3; sp. (Plioc.-Alaska), 17(2): 34, 9, 10.

*Endothyra gallowayi* (Devonian-Iowa), 19(4): 77, 13, 21-23.

*Entosolenia apiculata* (Paleoc.-Ala.), 20(2): 43, 7, 10; *crumenata* (Paleoc.-Ala.), 18(2): 37, 6, 28; 20(2): 43, 7, 12; *laevigata* (Paleoc.-Ala.), 18(2): 37, 6, 27; 20(2): 43, 7, 11; *lucida* (Plioc.-Alaska), 17(2): 36, 9, 12; *marginata* (Plioc.-Alaska), 17(2): 36, 9, 11; *squamosa* (Plioc.-Alaska), 17(2): 36, 9, 13; sp. (Paleoc.-Ala.), 16(3): 68, 11, 24.

[Eocene]. *Asterigerina tombigbeensis* Cushman and Garrett, A New Name, 16(1): 26. Eocene Midway, Foraminifera from Soldado Rock, Trinidad, 18(1): 1. The Foraminifera of the Type Locality of the Yegua Formation of Texas, 19(2): 28. A New Species of *Dictyoconus* from the Eocene of California, 19(4): 73. Foraminifera from the Aquia Formation of Virginia, 20(1): 17.

*Eouvirgerina americana* (Cret.-Miss.), 20(4): 92; *austinana* (Cret.-Miss.) 20(4): 92, 14, 9; *excavata* (Paleoc.-Ala.), 16(3): 66, 11, 18; 18(2): 35, 6, 20, 21; 20(2): 42, 7, 7; *gracilis* (Cret.-Texas), 20(1): 11, 2, 30.

*Epistomina caracolla* (Cret.-Colombia), 17(4) : 98, 23, 19; (Cret.-Texas), 19(3) : 69, 12, 5; *eocenica* (Olig.-Wash.), 19(4) : 87, 15, 9, 10.

*Epistominoides midwayensis* (Paleoc.-Ala.), 18(2) : 42, 7, 21, 22; 20(2) : 47, 8, 1.

*Eponides elevata* (Paleoc.-Trinidad), 18(1) : 11, 3, 1; *frigidus* (Plioc.-Alaska), 17(2) : 37, 9, 16, 17; *guayabalensis* (Eoc.-Texas), 19(2) : 41, 8, 3, 4; var. *yeguaensis* (Eoc.-Texas), 19(2) : 42, 8, 5, 6; *ingramensis* (Cret.-Calif.), 20(3) : 62, 10, 9; *kleinpelli* (Olig.-Wash.), 16(2) : 42, 8, 11; 19(4) : 86, 15, 1; *lotus* (Paleoc.-Ala.), 20(2) : 46, 7, 26; *mexicanus* (Eoc.-Texas), 19(2) : 41, 8, 2; *repandus* (Plioc.-Alaska), 17(2) : 37, 9, 25; sp. (Paleoc.-Ala.), 16(3) : 71, 12, 8.

*Frondicularia sagittula* van den Broeck and Their Bearing on Specific Descriptions, The Megalospheric and Microspheric Forms of, 19(2) : 25.

*Frondicularia aclis* (Cret.-Ark.), 18(3) : 60, 13, 4; *acutangula* (Cret.-Bohemia), 20(4) : 109, 19, 7, 8; *angusta*, var. *glabra* (Cret.-Bohemia), 20(4) : 111, 20, 17, 18; *archiaciana* (Cret.-Texas), 19(3) : 60, 10, 26; 20(1) : 9, 2, 8; *Chapmani* (Cret.-Bohemia), 20(4) : 111, 20, 15, 16; *clarki* (Cret.-Texas), 19(3) : 61, 10, 25; *cordata* (Cret.-Ark.), 18(3) : 61, 13, 7, 8; *coronata* (Cret.-Bohemia), 20(4) : 109, 19, 1, 2; *frankei* (Paleoc.-Ala.), 16(3) : 63, 10, 36, 37; (Cret.-Ark.), 18(3) : 61, 13, 10; (Cret.-Texas), 20(1) : 9, 2, 9; *Fritschii*, var. *interrupta* (Cret.-Bohemia), 20(4) : 111, 20, 13, 14; var. *pseudocanaliculata* (Cret.-Bohemia), 20(4) : 111, 20, 11, 12; *goldfussi* (Paleoc.-Ala.), 16(3) : 62, 10, 29; (Cret.-Colombia), 17(4) : 91, 22, 7-10; (Cret.-Texas), 20(1) : 8; *intermittens* (Cret.-Ark.), 18(3) : 61, 13, 5, 6; (Cret.-Texas), 20(1) : 9, 2, 10; *lanceola* (Cret.-Texas), 19(3) : 50; *lanceolata* (Cret.-Bohemia), 20(4) : 109, 19, 9, 10; *linea* (Cret.-Bohemia), 20(4) : 109, 19, 3, 4; *linearis* (Cret.-Texas), 20(1) : 8, 2, 7; (Cret.-Miss.), 20(4) : 88, 13, 22; *midwayensis* (Paleoc.-Ala.), 16(3) : 63, 10, 34, 35; *naheolensis* (Paleoc.-Ala.), 18(2) : 33, 6, 5, 6; *obsoleta* (Cret.-Bohemia), 20(4) : 109, 19, 5, 6; *undulosa* (Cret.-Ark.), 18(3) : 60, 13, 2, 3; (Cret.-Miss.), 20(4) : 89; *verneuilliana* (Cret.-Ark.), 18(3) : 61, 13, 9; (Cret.-Texas), 19(3) : 60, 10, 24; *watersi* (Cret.-Colombia), 17(4) : 91, 22, 6; sp. (Cret.-Colombia), 17(4) : 91, 22, 5; (Paleoc.-Ala.), 20(2) : 39, 6, 14.

*Gaudryina canadensis*, New Name, 19(2) : 27.

*Gaudryina bentonensis* (Cret.-Ark.), 18(3) : 52, 9, 12, 13; *canadensis* (Cret.-Canada), 19(2) : 28, 6, 7, 8; *faujasi* (Cret.-Ark.), 18(3) : 53, 9, 14; *laevigata* (Cret.-Colombia), 17(4) : 84, 21, 8; *leuzingeri* (Mioc.-Venezuela), 17(1) : 6, 1, 13; *rudita* (Cret.-Texas), 19(3) : 51, 9, 4; (Cret.-Miss.), 20(4) : 84; var. *diversa* (Cret.-Calif.), 20(3) : 55, 9, 6; *soldadoensis* (Paleoc.-Trinidad), 18(1) : 4, 1, 2; *thalmanni* (Mioc.-Venezuela), 17(1) : 7, 1, 14; sp. (Paleoc.-Ala.), 16(3) : 53, 9, 5; (Eoc.-Va.), 20(1) : 19.

*Gaudryina (Pseudogaudryina) jacksonensis*, var. *abnormis* (Olig.-Venezuela), 20(3) : 78; var. *irregularis* (Olig.-Venezuela), 17(1) : 6, 1, 11, 12; *pyramidata* (Cret.-Calif.), 20(3) : 56, 9, 7, 8.

*Gaudryina (Siphogaudryina) austinana* (Cret.-Ark.), 18(3) : 53, 9, 15, 16; (Cret.-Miss.), 20(4) : 84, 13, 2; *ellisora* (Cret.-Miss.), 20(4) : 84, 13, 3.

*Gaudryinella pseudoserrata* (Cret.-Texas), 19(3) : 51, 9, 5.

*Glandulina abbreviata* (Paleoc.-Ala.), 20(2) : 40, 7, 1; *laevigata* (Eoc.-Texas), 19(2) : 35, 7, 21; (Eoc.-Va.), 20(1) : 23, 4, 20.

*Globigerina* by d'Orbigny in 1826, The Species Described, as 17(2) : 38.

*Globigerina apertura* (Olig.-Wash.), 19(4) : 88, 15, 7, 8; *bulloides* (Rec.-Medit.), 17(2) : 38, 10, 1-13; *compressa* (Paleoc.-Ala.), 18(2) : 44, 8, 5, 6; (Paleoc.-Ala.), 20(2) : 47, 8, 2; *cretacea* (Cret.-Ark.), 18(3) : 65, 15, 20-22; (Cret.-Texas), 19(3) : 71; *depressa*, 17(2) : 42, 11, 7; *fragilis* (Mioc.-France), 17(2) : 42, 11, 9; *gibba*, 17(2) : 42, 11, 8; *globularis* (Rec.-"Ile de France"), 17(2) : 40, 11, 2; *helicina* (Rec.-Medit.), 17(2) : 41, 10, 18, 19; 11, 4; *parisiensis* (Eoc.-France), 17(2) : 42, 11, 10; *pseudo-bulloides* (Paleoc.-Ala.), 16(3) : 72, 12, 16; 18(2) : 43, 8, 3, 4; 20(2) : 48, 8, 3; *rotundata* (Rec.-Atl.), 17(2) : 41, 11, 5; *trigonula* (Rec.-Atl.), 17(2) : 41, 11, 6; *triloculinoides* (Paleoc.-Ala.), 16(3) : 72, 12, 15; 18(2) : 43, 8, 1, 2; 20(2) : 48, 8, 4; *yeguaensis* (Eoc.-Texas), 19(2) : 44.

*Globigerinoides elongata* (Rec.-Medit.), 17(2) : 40, 10, 20-23; 11, 3; *trilocularis* (Mioc.-France), 17(2) : 39, 10, 14-17; 11, 1.

*Globorotalia crassata* (Eoc.-Texas), 19(2) : 44, 8, 10; var. *aequa* (Paleoc.-Trinidad), 18(1) : 12, 3, 3; (Paleoc.-Ala.), 18(2) : 44, 8, 7-9; *membranacea* (Paleoc.-Ala.), 18(2) : 45, 8, 10; (Cret.-Texas), 19(3) : 71, 12, 12; 20(1) : 16, 3, 12; *miceliniana* (Cret.-Texas), 20(1) : 15, 3, 13; *punctulata* (Rec.-Medit.), 17(2) : 41, 10, 24, 25; 12, 1; *umbilicata* (Cret.-Miss), 20(4) : 96, 14, 19;

- wilcoxensis* (Eoc.-Va.), 20(1): 27; var. *acuta* (Paleoc.-Trinidad), 18(1): 12, 3, 2; (Paleoc.-Ala.), 20(2): 48, 8, 5.
- Globotruncana arca* (Cret.-Texas), 19(3): 71, 12, 11; 20(1): 15, 3, 10; *canaliculata* (Cret.-Ark.), 18(3): 65, 15, 23-27; (Cret.-Texas), 19(3): 50; 20(1): 14, 3, 8; (Cret.-Calif.), 20(3): 62, 10, 10; *cretacea* (Cret.-Miss.), 20(4): 96; *fornicata* (Cret.-Colombia), 17(4): 99, 23, 18; (Cret.-Texas), 19(3): 71; 20(1): 15, 3, 11; *marginata* (Cret.-Texas), 20(1): 15, 3, 9; *ventricosa* (Cret.-Miss.), 20(4): 96.
- Globulina ampulla* (Olig.-Wash.), 19(4): 85, 14, 13; *gibba* (Paleoc.-Ala.), 16(3): 63, 11, 6; (Paleoc.-Trinidad), 18(1): 7, 2, 4; (Paleoc.-Ala.), 18(2): 34, 6, 13, 14; (Eoc.-Texas), 19(2): 35, 7, 19; (Olig.-Wash.), 19(4): 85, 14, 12; (Eoc.-Va.), 20(1): 23, 4, 17, 18; (Paleoc.-Ala.), 20(2): 39, 6, 19; *glacialis* (Plioc.-Alaska), 17(2): 33, 9, 14; *lacrima* (Cret.-Texas), 19(3): 61, 11, 3; 20(1): 9, 2, 15; (Cret.-Miss.), 20(4): 89, 13, 28; var. *horrida* (Cret.-Texas), 19(3): 62, 11, 4; (Cret.-Miss.), 20(4): 89, 13, 29, 30; var. *subsphaerica* (Cret.-Texas), 19(3): 50; (Cret.-Calif.), 20(3): 57, 9, 14; *rotundata* (Paleoc.-Ala.), 20(2): 40, 6, 20-22.
- Gümbelina carinata* (Cret.-Miss.), 20(4): 92, 14, 6; *costulata* (Cret.-Texas), 19(3): 64, 11, 13; *excolata* (Cret.-Colombia), 17(4): 92, 22, 14; (Cret.-Texas), 19(3): 64, 11, 15; *glabrans* (Cret.-Colombia), 17(4): 92, 22, 16; (Cret.-Texas), 19(3): 64, 11, 14; *globocarinata* (Cret.-Ark.), 18(3): 63; (Cret.-Texas), 20(1): 10, 2, 21; *globulosa* (Cret.-Colombia), 17(4): 92, 22, 15; (Cret.-Texas), 19(3): 64, 11, 12; *midwayensis* (Paleoc.-Ala.), 16(3): 65, 11, 15; *moremani* (Cret.-Miss.), 20(4): 90, 14, 1; *planata* (Cret.-Texas), 20(1): 10, 2, 20; *plummerae* (Cret.-Ark.), 18(3): 62, 15, 2-4; (Cret.-Texas), 20(1): 10, 2, 18; (Cret.-Miss.), 20(4): 90, 14, 3; *pseudotessera* (Cret.-Texas), 20(1): 10; (Cret.-Miss.), 20(4): 91, 14, 5; *reussi* (Cret.-Ark.), 18(3): 63, 15, 5-7; (Cret.-Miss.), 20(4): 90, 14, 2; *striata* (Cret.-Ark.), 18(3): 63, 15, 8-10; (Cret.-Texas), 19(3): 64, 11, 11; 20(1): 10, 2, 19; (Cret.-Miss.), 20(4): 91, 14, 4; *trinitatensis* (Paleoc.-Trinidad), 18(1): 8, 2, 8.
- Gümbelitria cretacea* (Cret.-Colombia), 17(4): 91, 22, 17; (Cret.-Texas), 19(3): 65, 11, 16.
- Guttulina adhaerens* (Cret.-Texas), 19(3): 61, 11, 1; *frankei* (Olig.-Wash.), 19(4): 84, 14, 17, 18; *hantkeni* (Paleoc.-Ala.), 18(2): 34, 6, 11, 12; *irregularis* (Eoc.-Texas), 19(2): 35, 7, 18; *problema* (Paleoc.-Ala.), 18(2): 34, 6, 7-10; (Eoc.-Va.),

20(1) : 23, 4, 14; (Paleoc.-Ala.), 20(2) : 39, 6, 15-17; *wilcoxensis* (Eoc.-Va.), 20(1) : 23; (Paleoc.-Ala.), 20(2) : 39, 6, 18; sp. (Paleoc.-Ala.), 16(3) : 63, 11, 7; (Paleoc.-Trinidad), 18(1) : 6, 2, 3.

*Gyroidina aequilateralis* (Paleoc.-Ala.), 20(2) : 45, 7, 24; *depressa* (Cret.-Colombia), 17(4) : 97, 23, 11, 12; (Cret.-Ark.), 18(3) : 64, 15, 14-16; (Cret.-Texas), 19(3) : 68, 12, 4; 20(1) : 13, 3, 2; (Cret.-Miss.), 20(4) : 95, 14, 23; var. *colombiana* (Cret.-Colombia), 17(4) : 97, 23, 13; *girardana* (Cret.-Texas), 19(3) : 68, 12, 3; 20(1) : 13; (Cret.-Miss.), 20(4) : 95, 14, 24; *globosa* (Cret.-Colombia), 17(4) : 97, 23, 14; (Cret.-Texas), 20(1) : 13, 3, 3; (Cret.-Calif.), 20(3) : 61, 10, 6; *orbicularis*, var. *planata* (Olig.-Wash.), 19(4) : 87, 15, 2-4; *parva* (Olig., Mioc.-Venezuela), 17(1) : 23, 4, 2; *planulata* (Olig., Mioc.-Venezuela), 17(1) : 23, 4, 1; *soldanii*, var. *octocamerata* (Eoc.-Texas), 19(2) : 40, 8, 1; *subangulata* (Paleoc.-Ala.), 16(3) : 71, 12, 7; (Paleoc.-Trinidad), 18(1) : 11, 2, 18; (Paleoc.-Ala.), 18(2) : 40, 7, 11, 12.

*Haplophragmoides calcula* (Cret.-Texas), 19(3) : 50; *carinatum* (Mioc.-Venezuela), 17(1) : 2, 1, 1; *colusaensis* (Cret.-Calif.), 20(3) : 54, 9, 3; *dibollensis* (Eoc.-Texas), 19(2) : 30, 7, 4; *eggeri* (Cret.-Texas), 19(3) : 51, 9, 2; var. *minuta* (Cret.-Calif.), 20(3) : 54, 9, 2; *excavata* (Cret.-Colombia), 17(4) : 82, 21, 1; (Cret.-Texas), 19(3) : 50; *excavatus*, var. (Eoc.-Texas), 19(2) : 29, 7, 1; *flagleri* (Cret.-Colombia), 17(4) : 82, 21, 2; *glabra* (Cret.-Texas), 19(3) : 50; *mauricensis* (Eoc.-Texas), 19(2) : 30, 7, 2; *sphaeriloculum* (Eoc.-Va.), 20(1) : 19, 3, 24; sp. (Cret.-Ark.), 18(3) : 51, 9, 7, 8; (Eoc.-Va.), 20(1) : 19, 3, 23.

*Heterostomella americana* (Cret.-Texas), 19(3) : 50; (Cret.-Texas), 20(1) : 3, 1, 11, 12.

*Hyperammia* sp. (Devonian-Iowa), 19(4) : 76, 13, 14-17.

[Iowa]. Some Foraminifera from the Devonian of Iowa, 19(4) : 73.

*Kyphopyxa christneri* (Cret.-Ark.), 18(3) : 62, 14, 1-7; (Cret.-Miss.), 20(4) : 89, 13, 23, 24.

*Lagena acuticosta* (Paleoc.-Ala.), 16(3) : 63, 11, 5; (Cret.-Texas), 20(1) : 9, 2, 12; (Paleoc.-Ala.), 20(2) : 39; (Cret.-Miss.), 20(4) : 89, 13, 25; *apiculata* (Cret.-Texas), 20(1) : 9, 2, 13; *clavata*

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- Liebusella pozonensis* (Olig., Mioc.-Venezuela), 17(1) : 9, 2, 1, 2; var. *crassa* (Mioc.-Venezuela), 17(1) : 10, 2, 3, 4.
- Lingulina grimsdalei* (Olig.-Venezuela), 17(1) : 14, 3, 1; *minuta* (Paleoc.-Ala.), 20(2) : 38, 6, 10.
- Listerella laevis* (Paleoc.-Ala.), 16(3) : 54, 9, 8.
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*Siphonina claibornensis* (Eoc.-Texas), 19(2) : 42, 8, 7; *pozonensis* (Olig., Mioc.-Venezuela), 17(1) : 24, 4, 3; *prima* (Paleoc.-Ala.), 16(3) : 71, 12, 10; 18(2) : 40, 7, 16, 17; (Cret.-Texas), 19(3) : 69, 12, 6; *wilcoxensis* (Eoc.-Va.), 20(1) : 27; (Paleoc.-Ala.), 20(2) : 46, 7, 27.

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*Textulariella miocenica*, var. *brevis* (Olig., Mioc.-Venezuela), 17(1) : 9, 1, 15.

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*Trifarina herberti* (Paleoc.-Trinidad), 18(1) : 9, 2, 11, 12.

*Triloculina alabamensis* (Paleoc.-Ala.), 20(2) : 32, 5, 11; *laevigata*, 18(2) : 26, 5, 3; *mindenensis* (Eoc.-Texas), 19(2) : 32, 7, 10; *natchitochensis* (Paleoc.-Ala.), 20(2) : 32, 5, 7; var. *deca*, 20(2) : 32, 5, 9, 10.

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*Tritaxilina cubensis* (Paleoc.-Ala.), 16(3) : 54, 9, 9.

*Trochammina diagonis* (Cret.-Ark.), 18(3) : 55, 10, 8, 9; (Cret.-Texas), 19(3) : 54, 9, 13; *gyroides* (Cret.-Texas), 19(3) : 50; *howei* (Eoc.-Va.), 20(1) : 20, 3, 28; *texana* (Cret.-Texas), 19(3) : 54, 9, 14.

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*Valvulina flexilis* (Olig., Mioc.-Venezuela), 17(1) : 7, 1, 16, 17.

*Valvulineria allomorphinoides* (Paleoc.-Ala.), 16(3) : 70, 12, 9; (Cret.-Colombia), 17(4) : 96, 23, 9; *cretacea* (Cret.-Texas), 19(3) : 67, 12, 1; *inaequalis*, var. *lobata* (Mioc.-Venezuela), 17(1) : 23, 3, 24; *infrequens* (Cret.-Ark.), 18(3) : 64, 15, 17-19; (Cret.-Miss.), 20(4) : 95, 14, 22; *lillisi* (Cret.-Calif.), 20(3) : 61, 10, 8; *orolomaensis* (Cret.-Calif.), 20(3) : 60, 10, 7; *plummerae* (Cret.-Texas), 19(3) : 50; 20(1) : 13, 3, 1; (Cret.-Miss.), 20(4) : 95, 14, 20; *scrobiculata* (Eoc.-Va.), 20(1) : 26, 4, 27; *umbilicatula* (Cret.-Texas), 19(3) : 68, 12, 2; *wilcoxensis* (Eoc.-Va.), 20(1) : 26, 4, 26.

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*Vertebralina*, Species of the Genera *Nodophthalmidium*, *Nodobaculariella*, and, 20(3) : 64.

*Vertebralina*, 20(3) : 74; *advena* (Olig.-U. S.), 20(3) : 77; *elongata* (Mioc.-Hungary), 20(3) : 77; *foveolata*, 20(3) : 77; *laevigata* (Eoc.-France), 20(3) : 77; *neibuhrii*, 20(3) : 77; *sarmatica* (Mioc.-Austria), 20(3) : 77; *striata* (Rec.-Medit., Indo-Pac.), 20(3) : 74, 12, 7-11; var. *reticulosa* (Rec.-Pac.), 20(3) : 75, 12, 12.

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